

C150BC
234 - 149 BC

1912 Dates J-BK

Fragments of several of the 150 orations.
and "DE AGRICULTURA" and

"De Re Rustica," by MARCUS
PORCIUS CATO, known as
Cato the Censor, (Cato Major) (Cato the
Elder); or (Cato Priscus) (234-149 BC)
A Roman statesman & orator.

to be compulsory, as an ordinance of the
state.

It was the duty of an officer known
as augur to read and interpret in
most trivial things the will of heaven.
Especially were the eagle, vulture, crow,
raven, owl, and hen consulted &
these were regarded as messengers
of the gods.

No election was considered valid and
no battle was undertaken unless the
auspices were favorable.

C150BC

1912 Dates J-BK

Roman Religion

It was customary to offer first fruits of the field & garden in behalf of the family or community at domestic affairs. The state made frequent sacrifices to individual gods, and these were often of very large size. The sacrifice of animals was common. The liturgy to be observed by the priest was precise and prescribed. The act of worship grew

C150BC

The Roman Senate banned
the bacchanalia, a festival
honoring Bacchus, the Roman
god of wine

writing agent

150 BC

Some elite burials from around 150 BC may have been victims of lead poisoning.

The lead could have been ingested in water taken from lead-lined water pipes or from food cooked in their lead lined cooking pots or wine served in lead-lined goblets. Some used lead as a

150 BC

Water wheel invented in
Near East

c 150 BC
c 200 BC

7 day - Week

The sequence of the seven days of the astrological week is essentially based on the arrangement of 7 planets in the fixed, invariable order.

Saturn - Jupiter - Mars - Sun - Venus - Mercury - Moon, a distinctly

Hellenistic arrangement that evolved only in the 2nd Century B.C.

fasting and continence were prescribed.

It was a mystery faith. Converts entered by rites that involved bathing in the blood of a freshly killed bull. Mithraism became far more popular and important in Rome than it possibly could become in Persia under the hostile eyes of the orthodox Zoroastrian priesthood.

C150BC

Mithraism, one of the dominant religions of the Roman Empire was practiced more than Christianity. Named for the ancient god MITHRAS of Iran, who was originally a minor figure of ZOROSTRIANISM, Mithraism became essentially a soldier's religion. Its ethics were rigorous, loyalty was inculcated, and

For Feb. the *fasces* passed to the junior Consul, and alternated thus throughout the year. Both Consuls were escorted by 12 lictors but only the Consul holding the *fasces* for that month had his lictors bear them. By 100BC both Consuls could be Plebeians, but not both Patricians. Proper age was 42; 12 yrs after entering Senate @ 30. A Consul's imperium knew no bounds and overrode the imperium of a proconsular governor. The Consul could command any army.

C150BC

CONSULS

Two elected ea. yr. by Centuriate Assembly & served for 1 yr. Entered office on New Year's Day (Jan. 1). The one who had polled the requests number of Centuries first, was called the Senior Consul; the other was the Junior Consul. The Senior Consul held the fasces for the month of Jan., which meant the Jr. Consul looked on.

reference to the equinoxes and
precession reduced the value accepted
by Callippus. Hipparchus calculated
the tropical year to have a length of
365.242 days. He also computed the
precise length of a lunation using a
"great year" or four Callippian Cycles. He
arrived at the value of 29.53058 days

150 BC

HIPPARCHUS

Flourished in Rhodes. Discovered that the equinoxes were not fixed in space but moved slowly in a westerly direction. Amounts to about 2° in 150 yrs and is now known as precession of the equinoxes

$$\frac{360^\circ}{2^\circ} \cdot 150 \text{ yrs} = 27,000 \text{ yrs}.$$

The ² Tropical Yr is measured with

150 BC \pm 50 BC

Cal

Greek Cal
In the 2nd Century BC, Athenian documents listed side by side both the Calendar date and the date according to the Moon. Thus the lunar months that were in principle parallel might diverge widely in different cities

150 Be.

360° was ascribed to the
circle.

represented the motions that the early astronomers observed and made predictions possible.

The epicycles could predict but the theory was wrong, even though it was perfected in about AD 140 by Claudius Ptolemy & handed down in the Almagest.

150 BC

HIPPARCHUS

Worked in Rhodes and Alexandria
His theories:

Spherical earth was stationary.
The sun, moon and planets
circled round the earth

and at the same time, these
bodies pursued other circular
courses centered on the first
This complicated geometry accurately

150 BC \pm 50

Petra

People of Petra had control
of the spice trade routes

The people were renowned for
their extraordinary ultrafine
pottery bowls and plates

of the arteries and died of heart failure
brought on by Colic. Her stomach
contained 138 melon seeds.

She was swathed in 30 silken cloaks and
wraps. She was attended to in death by
162 wooden figurines of maids & other
members of her household including
musicians

150 BC

Chenier

the Lady Tai died around 150 BC,
she was buried in style (Dug up
in 1971)

She was wife of Prince Menishe,
to the Prince Ch'ang - she in the
Hunan district of Central China.

She was 50± and stout. She had
deformed back & hobbled with a
stick. She was prone to hardening

150 BC

Consuls
T. Quinctius Flaminius
M. Atilius Balbus

150 BC

Romans created a 22 or 23-day month called MERCEDONIUS which was inserted after 23 Feb every other yr as needed, thus advancing the ave yr from 355 to about 366. In the old Roman Cal 23 Feb was Festival of Terminalia, a day of sacrifice to Terminus, the god of boundaries.

therefore I take a book authored by
God himself.

Why should human beings be good.
Ans. There would be a resurrection.
good to heaven & evil to place
of final reckoning.

150 BC \pm 50

2nd century B.C.

Ben Sira revolutionized
Judaism

A lover of wisdom
apply Greek traditions to
the Bible.

Read & study the TORAH

Search for Divine Wisdom

Job: Divine inspiration of Scriptures
therefore true.

150 - 146 BC

DURANT

Third Punic War

150 BC

Demetrius I met Alexander Balas
in Babylon and was killed.

150 BC

DEMETRIUS I met BALAS in battle.
DEMETRIUS I was killed in 145
BC. DEMETRIUS II (NICATOR)
(Demetrius I's son and successor)
defeated Balas and assumed the
Syrian throne

150 BC

Isiah's skull from Dead Sea
Scrolls was dated to 150 BC

by 150 B.C.

Roman Cal (3)

An additional day was added, to the month of Jan. now it was 355 days. To accommodate a whole # of traditional market weeks (8 day) an occasional insertion of extra days - known as intercalation

150 BC \Rightarrow 100 BC

The CLOACA MAXIMA
was vaulted over. From
the time of King to now
it had been a cemented
ditch.

c 150 B.C.

Astrolabe invented?

→ 150 BC ±
fl. 2nd Cent BC

1 1 1
20 10 1 AD

HIPPARCHUS, famous ancient astronomer calculated or observed (He knew) the year was a few minutes less than $365 \frac{1}{4}$ days.

Discovered PRECESSION OF THE EQUINOXES

By 150 BC

An additional day was added to the Roman cal - to the month of Jan. Jan to 30 days.

Year $354 + 1 = 355$ days

The process of intercalation had been started

150 BC.

The Romans created a 22 or 23-day month called MERCEDONIUS which was inserted after 23 Feb in every other year, was needed.

In the old Roman Cal. 23 Feb marked the Festival of TERMINALIA, a day of sacrifice to Terminus, the god of boundaries. His festival day had been last day of year.

Arrangement. Two other Pyramids
flank El Tigre
Two kilometers East of El Tigre is the
largest complex of Bldgs at El Morado.
Complex is known as Danta.

150BC

mayan

~~Between~~ EL MIRADOR near
Mexican - Guatemalan border
Pyramid EL TIGRE & Pyramid
MONOS - each hold more than
a quarter of a million cubic
meters of construction fill.

At 55 meters, El Tigre is as tall
as an 18-story building. Clustered
on top are 3 temples in a triangular

C150 B.C.
2nd Cent B.C.

Venus de Milo was constructed
the original was found on the island
of MELOS in 1820.

150 BC

Romans from the period around 150 BC may have been victims of lead poisoning: Sterility; general weakness; apathy; mental retardation; early death

Lead-lined water pipes

Lead-lined cooking pots

150BC

Cato warned the Roman Senate
that Carthage must be destroyed

150BC

ECCLESIASTES is written
The Old Testament is complete

C150BC

1st mention of the Essenes

enough oil for one day but instead
of going out after 24 hours, the muscle
oil lasted for 8 days & 8 nights

Jews continue their normal routine
during these 8 days

150 BCE & 120 BCE

Hanukkah celebrates the triumph
of the Jews over the Greek Syrians
around 150 BCE & 120 BCE

Judah Maccabee & his brothers
reclaimed the temple destroyed
by the Greeks and restored it
as a house of worship by
lighting the eternal lamp above
the Ark. The brothers fought only

150 BC

1912 Dates J-BK

Medicinal and didactic epics
by
NICANDER (about 150 BC)

150 BC

The Romans created a 22 - or 23-day
called MERCEDONIUS, which was inserted
after 23 February in every other year or
as needed, thus advancing the average
year count from 355 to about 366

On the other hand rich aristocrats
bought more & more land.

C 150 B c

One of the most pressing problems was the disappearance of the small landowner, whose energy and spirit had made Rome great. Burdened by frequent military service, his farm buildings destroyed by Hannibal, and unable to compete with cheap grain imported from Sicily, the small farmer sold out and moved to Rome. Here he joined the unemployed, discontented proletariat,

the battle of CORINTH (146BC) by
MUMMIUS and the city destroyed.
A little later Greece became a Roman
province, united with that
of Macedonia

150 → 146 BC

FOURTH MACEDONIAN WAR & WAR with GREECE

- a) Cause - constant disturbances in Macedonia, some of the ACHAEAN cities having revolted.
- b) Result: Macedonians were defeated by METELLUS and Macedonia was made a Roman Province (146 BC)
ACHAEAN cities were defeated at

C15013C
2nd Cen B.C.

Jewish Cal.

Book of JUBILEES. Section in
Cal. based on 364 days and exactly
52 weeks. This unknown the
sect that used this Cal.

150 BC

HIPPARCHUS of Rhodes is credited with the compilation of the first star catalog. It contained approx. 850 entries.

HIPPARCHUS c190 BC \rightarrow 120 BC, the most outstanding astronomer of ancient times.

C150 AC.

Astrolabe invented (?)

C 150 BC
2nd Cen B.C.

Rome seems to have had many public
sundials - too many, according to
Plautus. Even in a society accustomed
to law and order, there were those who
found the regimen of the sundial,
silent as it was

150 BC

HIPPARCHUS of Nicaea and
Seleucus of Seleucia, Astronomers.
MOSCHUS of Smyrna, poet.

150 → 145 BC

ALEXANDER BALAS, Seleucid emperor

150 B.C

DURANT

War was declared against
Carthage by Rome

150 ± B.C.
2nd Cen B.C.

DURANT

There were guilds of cooks, tanners, builders, bronze-workers, ironworkers, ropemakers, weavers. But these were probably as old as others.

150 BC

DURANT

SULPICIUS GALBA hired 7000 natives to his camp by a treaty promising them land. When they arrived he had them surrounded and enslaved & massacred.